



PATENT
Customer No. 22,852
Attorney Docket No. 08726.0018-00000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
Frank W. RATLIFF) Confirmation No. 3739
Application No.: 10/617,693) Group Art Unit: 3744
Filed: July 14, 2003) Examiner: C. Jiang
For: HEAT PUMP SYSTEM)
)

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

REPLY TO OFFICE ACTION

In response to the Office Action dated April 19, 2004, the period for reply having been extended to October 19, 2004 by a three-month Petition for Extension of Time filed herewith, Applicant submits the following:

Amendments to the Claims are reflected in the listing of claims in this Reply.

Remarks/Arguments follow the amendment sections of this Reply.